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2012 RADIO BUYERS GUIDE (13 Page Special in the November MT)

- MT's Guide to Buying a New Scanner By Larry Van Horn, N5FPW
- Taking Shortwave Listening to Another Level By Ken Reitz, KS4ZR
- The Quest for Power – "Keys" to Success and the Accessories of Life By Kirk A. Kleinschmidt, NT0Z
- Finding The Perfect Antenna (It's not that easy!) by Bob Grove, W8JHD

REGULAR COLUMNS

ANTENNA TOPICS (Dan Faber/Kent Britain)

JAN	The Great Equalizer How Tuners Make Life Easier (Dan Farber)
FEB	The Great Equalizer: Making Your Tuner Work for You (Dan Faber)
MAR	Air Band Antennas (Kent Britain)
APR	Up in the Air – Height Above Ground vs Antenna Performance (Dan Farber)
MAY	No More Excuses – Get Active on HF NOW! (Dan Farber)
JUN	Construct Super Wide Band Antennas (Kent Britain)
JUL	Vintage Antenna Systems (Dan Farber)
AUG	Antennas for AM Listening – Hint: It's Not a Beam (Dan Farber)
SEP	Six Antennas for 300 MHz (Kent Britain)
OCT	Active Antennas for Stealthy SWling (Dan Farber)
NOV	Stealthy Little Vertical: The Chameleon V1 (Dan Farber)
DEC	Vintage with a Vengeance (Dan Faber)

ASK BOB (Bob Grove)

JAN	Do I need a booster for my scanner; MFJ-1046 preselector and the new shortwave radio; What countries banned ham radio in WWII; Can a whip on a CB radio with a linear amp get warm? Crossed diode receiver overload protection myth; When to select filter bandwidths, passband tuning or noise blanker features on Icom R-75
FEB	Connecting an automotive battery charger; Ionsondes; Mounting a Grove Scanner Beam and Scantenna in parallel; Inverted L directionality; Why no SSB on 30 meters; Why my discone delivers poor performance to my handheld; A why buy a . . . question
MAR	LEDs and voltage polarity; Tunerless all-band dipole and impedance matching; Choices for multiband HF transmitting antennas; Security compromise of RFID chips and passport; Advantages to leaving equipment on all the time; How to find the source of power line noise; Does the US-Russian hotline still exist; Learning more about RDF online.
APR	Using an 800 MHz on VHF; Powering a 5 VDC device with 6 VDC; Who am I hearing from 4100-4300 kHz; Can I use more than one WiFi radio tuned to different radio stations; Using a degaussing coil as a NDB band antenna; Do photocells wear out;

	Do silent dog whistles work and their freqs; Wanted handheld ham rig for emergencies; Crystalfeeler antenna – quackery	transceiver as HF general coverage receiver; analog TV/FM antennas for digital reception; Grove scanners; Attic loop antennas; preamp placement on coax line; RG-58/U vs RG-6/U; lead-acid battery tester	Channels; VHF Marine Channels; Amateur Radio
MAY	Antenna System Questions; Radiated power to the antenna; 20 meter antenna for 15 meter transmitting; Tuning at lower power levels, higher SWR at high power; Low end antenna analyzer useful; Stack antenna configuration; Replacing the Uniden HP-1 stock antenna; Discone in the country.		AUG PLANES: Aero Frequencies: Clearance Delivery, Ground Control, Tower, ATIS, ASOS / AWOS, Unicom; TRACON Frequencies; ARTCC Frequencies; Airport/Facility Directory
JUN	SWR Variations; Digital Software Decoding/Collectible SW Receivers; Portables and 9/10 kHz spacing switch; Fiber vs cable; Future of AM IBOC/SW DRM; Tuner and RF power out antenna; Prevailing standard DES vs AES		SEP TRAINS: Passenger vs Freight and More Signals
JUL	Mobile scanner antenna for Uniden BCT15X; Weather broadcast recorded before magnetic tape; Audio synch and digital TV tuners; Future of satellite TV services; Changing the feed point of a random-length SW antenna; Poor general coverage receiver sensitivity on AM; Mobile mounted NMO antennas vs car wash; New scanners have close call; Antennas in restricted areas		OCT BOATS: Easy Tools for Smarter Listening; Winter Monitoring Targets; North American Frequencies; Search and Rescue; Amateur Marine Radio; Local Activity; VHF; Maine Radio Historical Society; Email; Plasma Nightmare
AUG	Jamming in WWII; Analog scanners and freq above 470 MHz; Time signals on AM BCB w/Morse code ID; ANT-6 performance on 2-meters; Wanted - Simple handheld scanner; Austin Condor antenna performance; MJF-1020C performance		NOV PLANES: Aero Frequencies Part 2: VHF Company Frequencies; Domestic VHF Networks; AOC Message Content; 121.5 MHz; Flight Service Stations; 121.95-123.6 MHz; Airport FM Frequencies; Changing Technology; Yahoo Group
SEP	Operating 2 HF transceivers on 2 different bands simultaneously; Low-pass filter – before or after the linear; Yaesu ham transceivers as a shortwave receiver alternative; PAR End-Feed antennas as a sloper; TV impedance matching transformer and continuity between windings; Mag mount antennas for ham xmit/scanner receive		DEC TRAINS: Back to Basics: The Equipment; Finding Frequencies; Other Calls; Looking Good; System Architecture; Learning about Railroads; Fun with Names
OCT	Land Mobile Band Update (450-512 MHz); Replacement antenna for the Uniden HP-1 (Part Deux); How does Carbon 14 dating work; What is a Q-Meter; Grove/Ramsey PR2 improve reception; 400 foot wire loop vs the electric fence; use NiCd charger to charge NiMH bats; FM indoor directional antenna		
NOV	Linear amp by-pass; NOAA frequencies; Inboard vs Outboard DSP; Ham and public service HT combos; Nulling FM signals; Solar cycle mazimum flop; Defining RDS, SDR and DSP, and shortwave interference puzzle		
DEC	Barbed wire fence antenna; Grove SPL01 splitter; Ham		
		BELOW 500 kHz (Kevin Carey)	
		JAN Celebrating Beacons Old and New; LF8A Mystery Solved	
		FEB Exploring Natural Radio: What you can hear and receiving gear; What's in My Bookmarks?	
		MAR The Aviation-Longwave Bond; Other LW Services; Whats Next? Mailbag and Loggings, End Notes	
		APR Spring Chores; Learn LF Propagation – Free; mailbag and Loggings	
		MAY Opening Your Mail; Website Resource; European Broadcast; Loggings; Report from BC; Crystal Set DX; Rochester Hamfest	
		JUN Top-End Talk: Who's On The Air? Other 500 kHz Users; Going Higher: Fishnet Beacons; This Month's Loggings	
		JUL Longwave in Retrospect; Web Resources; Loggings and the Future of NDBs	
		AUG Information for Free; Longwave Websites; Mailbag; Loran A – A Look Back	
		SEP Longwave Happenings; Remote Listening; New LW Station; Mailbag; Loggings; Natural Radio	
		OCT Taking the Mystery out of DGPS; I Heard SAQ Finally; VLF Antenna Option – Active Antennas	
		NOV Tackling an RDF: Project No. 1 – an RDF; Two Standout Websites; Mailbag	
		DEC The RDF 304: Digging Deeper: Faulty Capacitor(s)?; Firing It Up; Mailbag; Loggings	
		BOATS (Ron Walsh), PLANES, (Iden Rogers) and TRAINS (Ernest Robt)	
		JAN BOATS: Listening as Winter Settles In; Amateur Radio Info; NAVTEX; Targets for Winter Monitoring; Interference; Dreaming of New Gear	
		FEB PLANES: References for Aircraft Listeners	
		MAR TRAINS: Gazing into a Murky Crystal Ball	
		APR BOATS: The Benefits of Radio Monitoring; Marconi Marcom IV; Working Amateur Marine Stations; the Beginning Listener	
		MAY PLANES: Flight Delays and Stoppages	
		JUN TRAINS: Train Symbols and Ballast Dumping	
		JUL BOATS: Becoming an RF Sleuth; South Carolina DX; Finding the Frequencies; Canadian Marine Frequency Sites; USCG Weather Broadcasts; HF Marine	
			BROADCAST BANDSCAN (Doug Smith) (even months)
		FEB Keeping Record; “Un-disappearing” Station Re-disappearing; An Unusual Petition; Station Report	
		APR We pause for station identification . . .; FCC Proposes Changes to TIS; LPFM Restrictions Relaxed; Proposal to Refarm TV Spectrum	
		JUN Radio, Dead or Alive; FM “Translator Stations”; Digital Radio: Dying in Canada; IBOC: Bad for DXers and Stations, too?; Radio on the Road; hello testing 1..2..3..4..; New Community Radio; Musical Chairs	
		Aug Clear-Channel Stations to Return; IBOC Interference: Good for DXers?; Scorecard; New AM station in Nashville; Digital TV DX; Mailbag	
		OCT Talk Radio, not just AM Any More; Dr. Bruce Elving Passes; Montreal 690/940; The End of the “Franken FMs”; The Great Translator Invasion of 2003; Respect or Disrespect for the FCC; Mailbag	
		DEC Playing Around with the Carrier; Montreal 690/940; Frequencies Going Begging . . .; Radio History; Arkansas Station Sued; New NRC Log; Mailbag Mysteries	
			COMMUNICATIONS (Ken Reitz)
		JAN Amateur Radio/Shortwave: Zimbabwe Police Seize SW Sets Ears to Our World W1AW Winter Sked	

		AM/FM/TV Broadcasting: Canadian Radio Future Uncertain Are We Watching HDTV Yet? Whatever Happened to 3DTV? PTC: More Profanity in Prime Time Satellite: C-Band Programming Ends (Almost) AGs Looking at XM/Sirius Small Dish Victory over HOA FCC Enforcement: Verizon Fined \$25 Million for "Mystery Fees" FCC Gets Picky GPS Gaffes		Non-FCC Enforcement: Dozens of NYC Pirates noted Shortwave: Radio Nord Revival AM/FM/TV Broadcasting: Last Chance to Log Canadian Analog OTA TV Public Service: NYPD Radio Still Not Tunnel-ready; TIS May Get New Life; National EAS Test Satellite: Russia Space Shambles; U.S. Space Shambles; Georgia Readies Sat-Tax FCC Enforcement: Miami FM Pirate Fines \$20K; QRO and Wrong Antenna - \$13K; CB Op Thumbs Nose at FCC		Limits to Kids; TV Consolidating / Cashing Out Public Service: PA Town Wary of Digital Upgrade; FL Paper Decries "No-Bid" Contract Technology: Georgia Tech Engineers find "Free" Energy; LightSquared/GPS Interference Shambles; JetBlue to offer LiveTV on Overseas Flights FCC Enforcement: Minnesotans Cited for Pirate AM Violations; Nevada FM Pirate cited for QRO
FEB		Amateur Radio/Shortwave: Radio Marti Tries Chat Show Approach; Shortwave Loses Four More AM/FM/TV Broadcasting: Arbitron: Radio Usage Up; College Radio Slumps Internet/Smartphones: Fears of Cell Network Collapse; FCC Lays Out Spectrum Changes; Companies Team-Up for Mobile TV Satellites: Russia Glonass GPS Disaster; Sirius Listeners Sentenced to 5 More Years; Spooky X-37B Returns; Rooftop Antennas to Determine Eligibility FCC Enforcement: Church Station without Staff: \$10,000; Chinese Co. Cited for Cell-Jamming Gear; Station Fined for not Reducing Power		Amateur/Shortwave: Hams React to Japan Quake; JJY Time Station Forced to Close Down; NIST Fumbles ARRA Bucks AM/FM/TV Broadcasting: Motley Fool: Radio is Dead; Thieves hit KSL Xmtr Site; Former FCC Chair Heads Big Cable Satellite: Stern Unhappy, Sues Sirius/XM; Sat-TV Customers Gripe to BBB Public Service: JFK Dead Zone for NYPD Police; Oregon Rethinks Radio System FCC Enforcement: Station Fined for Airing Ads as News; FCC Throws Book at Cal Pirate; More FM Pirates Rounded Up; Science Teacher's Revenge Backfires; Finally, Relief from Interference	OCT	Amateur Radio/Shortwave: ARISat1: Intro into Amateur Satellite; BBG Still Making Waves; RTI's New English Website AM/FM/TV Broadcasting: NY State Outlaws Radio Piracy; Translator Shenanigans; FCC Strikes down HOA Rules (Again); Canadian DTV Déjà Vu Technology: CD Disappears from Ford Dash; Navy vs Garage Doors; 5 GHz Devices Causing Radar Headaches FCC Enforcement: The Crystal Ship Sinks; Couple Blames Friend for FM Pirate Station
MAR		Amateur Radio/Shortwave: New Amateur Radio Bill Introduced; K1MAN Ticket Referred to Judge AM/FM/TV Broadcasting: LPFM Bill Now Law; FCC to Move on OTA Satellite: DirecTV Fined Millions in marketing Missteps; OH Top Court: Tax the Dishes; DISH Raises Rates (Again); "Zombie-Sat" G15 Recovered FCC Enforcement: FCC Rounds up the usual CB Suspects; Cell Jammer Found at High School		Amateur Radio/Shortwave: Deutsche Welle Announces Major SW Reduction; Hell Host Ham Program on TWIT; Radio Nord Continues MW & SW Tests; DX Partyline Ends Public Service: Paper Asks PA to "Pull Plug" on P25 Network AM/FM/TV Broadcasting: FCC Tallies Broadcast Stations; FCC Commissioner Cashes Out Satellite: XM/Sirius Adds Diversity Channels - Plans Fee Hike FCC Enforcement: FM Pirate Busts Galore; Ham Fined for Freeband Operations; Seattle Man Charged with Fake Distress Calls; WEAK Radio Disappears	NOV	Amateur Radio/Shortwave: Hams React to Irene; Scientists "Hear" Sunspots AM/FM/TV Broadcasting: FCC Lops Off Channel 51; CCTV Goes 24/7 in D.C.; Are You ready for a New TV Standard? Public Service Radio: Oakland Police Radio Problems; Piggy-backing on Motorola System Satellite: DISH, DirecTV Lay Their Bets; Space Debris = "Collision Cascade" FCC Enforcement: \$25,000 for Interference on Police Frequency; QRO FM, Two AM Pirates Tagged
APR		Amateur Radio/Shortwave: BBC Budgets Slashed (Again); Long-time HCJB Host/Engineer Dies Public Service: Motorola System "In Shambles;" Open Sky has Political Repercussions; Oakland PD Radio Frustrations; There's an (Illegal) App for That AM/FM/TV Broadcasting: NY Bill Targets Radio Pirate; Dim-witted Thieves Steal FM Station Satellite: FCC: Ground-based Sirius/XM in Hawaii OK Sirius/XM Seeks Price Hike OK Internet Communications: Egypt Unrest & Communications Questions FCC Enforcement: Non-coordinated Repeater Op Cited; More CB Busts		Amateur Radio/Shortwave: Commando Solo on HF over Libya; BBG to "Sunset" Shortwave; RNW Budget Slashed (Again) AM/FM/TV Broadcasting: Cord-Cutters Growing/Shrinking?; States Gunning for Big Bird; PBS-TV Stations Cashing Out FCC Enforcement: CB Shop Cited for Amps and Mods; Beauty School Cited for Jamming Amateur Radio/Shortwave: BBC Cuts Offer Poor Trade-off; Push to Save RNW AM/FM/TV/Cable: LPFM Window to Re-Open; FCC Looks at Ad	DEC	Amateur Radio/Shortwave: League Touts Ham Benefits to White House; HFCC Bets on a Multi-Platform Future; European Conference Highlights DRM; Trans World Radio's Big New Signal' Radio/TV Marti Texting Cubans AM/FM/TV/Satellite Broadcasting: Radiolab Host is MacArthur Fellow; FEMA/FCC Tips on EMCOM; Supreme Court may look at State Dish Taxes; FCC to LightSquared: Not so Fast! Public Service Radio: Chicago's \$23 Million Radio Flop; Bus Drivers Clog Motorola System FCC Enforcement: Jammer Sellers Jammed; FCC Lowers 2 Fines, Increases 1; Jamming marine Channel 16: \$17,000
	MAY					
	JUN					
	JUL					
	AUG					
	SEP					
						COMPUTERS & RADIO (Brian Wood)
					JAN	The Search for Extraterrestrial Intelligence

APR Write Your Own Logging Program
 JUL DXLab Suite Software (Guest Reviewer Rick Kile, WA7BNG)
 OCT Shortwave Listening in Your Car

DIGITAL DIGEST (Mike Chace)

JAN Digital Modes on the Air; Decoding Targets: CW Stations - Russian Intel Numbers Stations, Cuban Intel Numbers Stations, Russian Naval Warships and Bases, Baudot RTTY Stations - German Weather Service, CanForce Halifax, French Air Force, NATO Lisbon, Brazilian Navy; ASCII Stations - Bulgarian Diplo Service; Mil-188-141 ALE UK Mil Ops and UnID "ECO" Net; Bulgarian Diplomatic Service
 FEB East Digital Listening - SITOR-A, SITOR-B, PacTOR-I/II/III.
 MAR Egyptian Diplomatic Service HF Ops; One US Mystery Net Solved; Update on the ECO ALE Network
 APR Bits and Pieces: RTTY "in the clear?"; French Forces ARQ-E3 Transmissions; Dominican Navy; Bulgarian Diplomatic Service; Sudanese Diplomatic Service; Possible French Diplomatic Net
 JUN Update on Codan Network: Maltese Forces Maritime Service; Unid Codan Network; Moroccan MOI Codan Network; ECO Net Solved; UK Mil MATELO Returns
 JUL Mauritanian Police and other Oddities; French Air Force ALE; The Strange Case of the Sudanese Diplomatic Service
 AUG Russian Diplomatic Traffic; SPO and friends: Another Mystery
 SEP Another Mystery PacTOR Network; Update on US NS/EP ALE Network; US Navy Fleet Broadcast Update; Canadian Forces Using STANAG 4825
 OCT Automatic Link Establishment: More Three Letter Net Developments; PacTOR-IV is Here!
 NOV New Digital Signals: New 4 Tome Modem' Finnish Diplo Service Returns to HF; Sudanese Diplomatic Update
 DEC Ecuador's Naval HF Network; Australian Mil Follow-Up

THE FED FILES (Chris Parris) (odd months)

JAN 2011 Fed Files New Year; CBP Office of Air and Marine; Federal Close-Up - Mt. Hood National Forest; Charlotte, NC Federal Frequencies
 MAR TSA Expands Its Reach; Gifford Pinchot National Forest; CBP Border Patrol in Arizona; Super Bowl XLV
 MAY Scanning Super Bowl XLV; New Nationwide ICE Channels; Mt. Rainer National Park.
 JUL Final Four Federal Activities; Department of Energy Radio

Channels; EPA Radio Channels; Olympic National Forest; Mt. Rainer Update
 SEP The Federal Integrated Wireless Network; Mt. Baker Snoqualmie national Forest Radio System; Umatilla National Forest; Mt. Hood & GPNF UHF Links Update
 NOV 2011 Fed Files Wrap Up: P25 Security Called into Question; Presidential Travels; Federal IWN Expansion Continues; Montana BLM and BIA Frequencies; North Central Colorado USFS Radio Systems

FIRST LOOK/MT REVIEWS

JAN The Amazing Little C. Crane WiFi Radio (Lloyd Van Horn)
 FEB GRE PSR-700 (Bob Grove); SafeCeiver Mini-Scanner (Bob Grove)
 MAR Alinco DJ-11T Wide Frequency Coverage Scanning Receiver (Bob Grove)
 APR GRE PSR-800 Review (Bob Grove)
 MAY Going QRP with an SDR - the FLEX-1500 HF+6 Part 1 (Kirk Kleinschmidt)
 JUN FLEX-1500 SDR Transceiver Review Part 2 (Kirk Kleinschmidt)
 JUL DXLab Suite Software (Guest Reviewer Rick Kile, WA7BNG); DPD Productions ADS-B Vertical Antenna (Larry Van Horn); MFJ-260C 300 Watt Wideband Dummy Load (Bob Grove); Midnight Science Ultrasonic Dish (Bob Grove); MFJ Lapel-Style Speaker/Microphone (Bob Grove)
 AUG Apple TV - Let it change your life (Lloyd Van Horn)
 SEP MFJ-886 Pocket-size Frequency Counter (Bob Grove); MFJ-266 Antenna Analyzer (Bob Grove)
 OCT The Poor Man Investigates . . . the World's Worst World Receiver? (Eric Bryan)
 NOV Sangean ATS-909X Multiband Portable Radio (Bob Grove); JetStream JTPS31MB Power Supply (Bob Grove); Jetstream JTPS28 13.8 VDC PS (Bob Grove)
 DEC WinRADIO G33DDC Excalibur Pro (Bob Grove)

GETTING STARTED (Ken Reitz)

JAN Beginner HF Protocol Part III: QSL those Contacts
 FEB Cord-Cutter's Primer (Ditching Cable and Satellite TV)
 MAR Whatever Happened to TVRO?
 APR Return of the Portable TV
 MAY The Joys of Ten (10-meter ham band profile)
 JUN Loop Your Way to HF DX Success
 JUL Mobile Shortwave Listening Alternatives - Old and Current Mobile Alternatives
 AUG Postscripts and Addenda: Sirius/XM Settles Lawsuit; TV/FM

DXing; Attached to the Loop; Shortwave Pirate Monitoring; CRI Strikes Again
 SEP Want a Truly EZ-up Antenna? Try a 20 Foot Extension Ladder! Preparing for Everyday Emergencies
 OCT Radio Listening in a non-FiOS Home
 NOV Low Profile TV Antennas and PC to TV; Amplified Indoor Antennas that Work; Phillips SDV2940 Amplified TV Antennas; Winegard SquareShooter SS2000; NetGear's PC to TV Solution; The Limits of "Unlimited"
 DEC Squeezebox Q&A and FiOS QRM; CBS Radio Disappears; FiOS Headaches

GLOBAL NET (Lloyd Van Horn)

JAN What's Next for Internet Radio?; Pandora Targets Drivetime; One-Stop Shop for Audio; Streaming Audio on Your Mac; Build the Next Streaming App; GlobalNet Mailbag
 FEB Doing it for the Troops; IOS Radio Apps Reviewed; GlobalNet Goes Social
 MAR The Sounds of the Skies, Online; Eyes and Ears on the Sky; United in the Search for Streams; Toyota puts Pandora in their Cars; GlobalNet Mailbag; GlobalNet Stream of the Month; GlobalNet goes Interactive
 APR The Digital Voice of the People Aljazeera; The Great Mobile Push; Reciva Remote App; Blog and Podcast Update
 MAY Tweak, Pops and Chirps . . . Online: Jovian Storm Chasing, It's Raining Meteors, Pulsars, black holes and sferics, oh my!; The broader picture - radio astronomy; GlobalNet Mailbag
 JUN Breaking News, Online; Streaming Radio - Voice of the People; Streaming Receivers: It's like you're there; Scenes from the Scene
 JUL Tracking the Tropics Goes Digital; Getting storm data - Where is the action? The sounds of storm; Nonbroadcast Sources; Internet Radio Changes
 AUG Sunshine Radio: Hot Florida Action; A smartphone isn't a scanner, right?; Is a smartphone the new walkman?
 SEP You Can Take it with You: Internet radio's great mobile push
 OCT The Great Shortwave Migration - Shortwave still surfing online; Survey says . . . ; Sirius 2.0 - What it means for Internet radio
 NOV Clearing out the GN Mailbag: Aero Listening; Apps for Computers; ooTunes; Ear on Florida Weather; News Flash concerning Flash; New Airplay Devices Hit the Market

DEC 2011 – A Banner year for Internet Radio; Smartphones and In-Car Systems; Coming up in 2012; The Tides are Turning; DX Challenge or Content?

MILCOM (Larry Van Horn)

JAN Monitoring the Air Route Traffic Control Centers; ARTCC Update; Atlanta ARTCC RCAG Frequency List

FEB HFGCS – Always Ready . . . Always On! USAF AMC Global – Global Command Net, Global ALE/DSN Gateway Net, Global Black or NIPRnet, Global Red or SIPRnet, Mystic Star Net, SITFAA, DCS HF Entry Net

MAR Monitoring the Air Show Experience – Equipment and Tips; DoD VHF High Band – The Hidden Aircraft Band

APR On Base Air Show Coverage Charleston AFB/International SC; Seymour Johnson AFB NC; Beale AFB CA; NAS Corpus Christi TX; JRB/NAS Fort Worth TX; MCAS Beaufort SC; Civil Air Patrol Reorganizing HF ALE; Kentucky CAP Call Signs

MAY CAP Sprouting Up Regional Nets; Milcom Air Show Military Base Profiles: Andrews AFB, NAS Pensacola, NAS Whiting Field, NAS/JRB New Orleans, Langley AFB; US Army MARS ALE Going Regional

JUN Something New in Monitoring Military: Mode-S/ADS-B Introduction

JUL Australian Military HF Network Complete; New HF Military/Government Nets: Lithuanian Military, Maritime Services of the Armed Forces of Malta, US Army NG 875th Eng Battalion/43rd WMD-CST, US Coast Guard Auxiliary, US Government Networks (Agencies Unknown); CAP Regional Nets; Military Frequency Changes; Milcom Air Show Base Profile: Travis AFB

AUG Navy Training Wing Update; Milair Frequency Updates; New Pacific Metro Frequency; CanForce HF NAWS Mode Change; Coast Guard Air Miami Bids Farewell to the Jet Age

SEP Monitoring the Military on COTHEN plus a Milcom Extra: US Customs and Border Protection Air and Marine Branch Aircraft Assets List

OCT Base Profile: Columbus AFB, Mississippi; Civil Air Patrol Repeaters: California and Texas

NOV A Profile of Edwards AFB – Aircraft from Concept to Combat

DEC Is the HF Radio Spectrum Really Dead? A Special Radio Frequency List for the Holidays: US Government/Military HF Freqs

ON THE BENCH

JAN Budget DX Crystal Radio, Conclusion Components and Construction (Dave Schmarder)

FEB How to Cook a Duck (Device Under Caloric Kinesis) (Walter Lindenbach)

MAR Salvaging California Amplifier Downconverters for Satellite Usage (John M. Franke)

APR Cheap DIY Solar Power for your Radio (Ben Jandrell)

JUN Building a Simple Ham Radio Project (Dave Schmarder, N2DS)

JUL Those Weird Noises on 1090 MHz (Larry Van Horn)

AUG Mode-S – IFF for the 21st Century (Larry Van Horn)

SEP Mode-S and the Message Squitters (Larry Van Horn)

OCT The Future is Now for Mode-S Monitors (Larry Van Horn)

NOV Handy Video Tuning Tool: Your Wireless Camera (Mario Filippi, N2HUN); VHF Audio/Video Transmitter (Raj. K. Gorkhali – Hetauda, Nepal)

DEC Restoring the Knight Star Roamer (Mark Haverstock, K8MSH)

ON THE HAM BANDS (Kirk Kleinschmidt)

JAN Paradigm Shift; Visual Aids – Then and Now

FEB The Right Antenna Tuner for the Job; One Size Doesn't Fit All; The truth About Tuners; Tuner Efficiency

MAR Coaxial Confessions; HAM2011.03.4 K4AVU2 Crimper

APR One Loop to Rule Them All; Horizontal Loops=Superior SWLing; The Source of My Loopiness; Building Horizontal Loops is Easy!

MAY Horizontal Loops – The Sequel

JUN Portable Power for Field Day and More!

JUL Affordable High-Tech Test Equipment; Q&As: Antenna Tuners; Q&As: Loop Antennas

AUG Six Meter: Stealth, QRP and Newbie Friendly!

SEP The Magic Band: More Mysterious Than Ever!

OCT The Old-School Performance of Open-Wire Line

NOV The Right Rotator for the Job: The Basics, Installation Types, Performance Specifications; Control Boxes and Accessories, Rotator Secrets

DEC Anniversaries, Interference and Spicy Coax: Ubiquitous Interference; Who's responsible for interference?; Clean up your own act; transmitter-related RFI; RFI: A Guaranteed Eventuality; Squirrel Chews From KK

PROGRAMMING SPOTLIGHT (Fred Waterer)

JAN Programs to Warm Your Heart: Orthodox Christmas, Scotland

FEB the Brave, Live and On demand, Podcasts, the Scottish Diaspora, Rocky Fortune, What's New.

FEB Cold Wings and Warm Sounds: Cuba, Gabon, Nigeria, South Africa, Australia, New Zealand; Hail, Fenwick; What's New – Voice of Russia; Programming Advance Notice.

MAR March Delight; the Migration to the Internet; Rest in Peace, Carl Watts; The Story of Pop; Hits in Germany; The New Capitalists; Food, Glorious Food; Programming Advance Notice

APR China Radio International; Radio Exterior de Espana English; Speaking of Larry Wayne . . . ; Russian-language Programming; Mmmmm, Leftovers; Radio Netherlands Program Guide

MAY Radio in Times of Crisis; Radio Prague; Radio Slovakia International; Swedish Radio International; HCJB; Recommended Listening; What's New?

JUN I Love It When You Talk Nerdy; News You Can Use; What's New

JUL Change is in (and on) the Air; Talking to (and about) Americans; How Important is radio?; Recommended Listening – Desert Island Discs

AUG Take Me Out to the Ballgame; Classic Comedy and New Laughs; Pirate Radio Ship Nostalgia

SEP Around the World in 80 Armchairs; Milestones and Memorable Moments

OCT Don't Look Over Your Shoulder . . . ; Halloween Programming; The Anachronistic and Unusual; Spotlight on the Economy

NOV New Programs and News Programs: New Flags Flying; Old Time Radio Shows; More Unusual Programming; News at it Happens, Sort of . . .

DEC My Favorite Season in Radio: Seasonal Fare; Internet-Based Radio Stations; The New Year Arrives; What's New

QSL REPORT (Gayle Van Horn)

JAN QSLing Comes to your Smartphone

FEB QSL Mix-Allot, Part 1

MAR QSL Mix-Allot, Part 2

APR Old Favorites Still Active!

MAY Special Event QSLing in Amateur Radio

JUN Radio Free Asia 15th Anniversary

JUL Firecracker Special 2011

AUG Palace and Lighthouse QSLing

SEP Ready for the medium wave season?

OCT Chainsaws, Ouija Board and Morak (Pirate Radio)

NOV New Stations, New Website, New QSLs

DEC Holidays and QSLing

RADIO RESTORATIONS (Marc Ellis)

JAN A Philco and Magnavox Joint Restoration
 FEB A Face Lift for the Philco; An Alignment for the Majestic
 MAR Reader Mail and More Philco Progress
 APR Realigning a Superhet
 May The Philco's Voice is Heard
 JUN Wrapping up the Philco Project
 JUL The BC-1206-C Beacon Receiver
 AUG Power for the BC-1206-C; The AWA Gateway; Coming Soon: the Annual AWA Convention
 SEP Firing Up the BC-1206-C
 OCT Introducing a New Project; Resurrecting a Garage Sale Find; Unfinished Business; Meissner Kits; The Broadcast 7
 NOV Addressing the Meissner Mystery
 DEC Picking Up the Thread: Tube Checking and Recapping; Smoke Testing; A Voice from the Speaker; From the Readers

SCANNING REPORT (Dan Veeneman)

JAN Dragged Into the Digital Age: Itasca County, Minnesota
 FEB Operating the Pro-106/PSR-500; Minden Parish, Louisiana; Louisiana Wireless Information Network; Radio Shack Pro-106; VIPER Clarification – Smartzone and Roaming
 MAR Easing In and Out of EDACS; Mobile, Alabama profile; OpenSky Closes Out Public – Stueben County, Indiana
 APR Scanning in the Heartland – Lincoln, Nebraska; Omaha, Nebraska; Clay County, Minnesota; Fargo-Moorhead Services; ARMER
 MAY Finding Elusive Public Safety Frequencies: Idaho; Dayton Hamvention
 JUN Steps in the Wrong Direction: Kansas; Steuben County, Indiana; Decoding APCO-25 Encryption – Not!
 JUL Selecting a Scanner for Syracuse; Eliminating Programming; Batteries; Stands; Onandaga County, New York; Dispatch Codes
 AUG The Open Sky Misnomer; Palm Beach County, Florida; West Palm Beach, Florida; Testing Open Sky; West Palm Beach Motorola System; Kanawha County, West Virginia; West Virginia Interoperability Radio Project (WVIRP)
 SEP Keeping Up with Upgrades: Huntington, WV; USB Cables; Pro-106 Firmware; Scanner Software; West Virginia Interoperability Project; Verbal Shorthand; Derry, New Hampshire
 OCT Security Problems with Project 25
 NOV The Truth about Encryption: Washington DC, Jacksonville FL; Media Relations, Impacts to the Community, Related

Constitutional Issues, Practical Issues, Cracking Keys, Key Management

DEC Scanning through the Decades: From Crystals to Synthesis

SHORTWAVE GUIDE (Gayle Van Horn)

JAN English (24 hours); German 1800-2300 UTC; Arabic 0000-1900 UTC
 FEB English (24 hours); Arabic 2000-2300 UTC; Chinese 0000-1000 UTC
 MAR English (24 hours); Chinese 0600-2300 UTC
 APR English (24 hours); Spanish 0000-0800
 MAY English (24 hours)
 JUN English (24 hours); Spanish 0900-1700
 JUL English (24 hours); Spanish 1700-2300
 AUG English (24 hours); Portuguese 0000-0900
 SEP English (24 hours); Portuguese 0900-1300
 OCT English (24 hours); Portuguese 1300-2200
 NOV English (24 hours); Portuguese 2300-2359; French (24 hours), Arabic (0000-0800)
 DEC English (24 hours); Arabic (24 hours)

SKY SURFING (Hamsats-Keith Baker / Radio Astronomy – Stan Nelson)

FEB HAMSATS: Get Ready for ARISSat-1!
 MAR RADIO ASTRONOMY: Listen Up, Sky Surfers!
 MAY HAMSATS: Manned Space and Amateur Radio
 JUN RADIO ASTRONOMY: ACARS; Satellite Monitoring; Inexpensive 12 GHz Radio Telescope; Radio Free Zones; Society of Amateur Radio Astronomers (SARA); Radio Astronomy at the Movies
 AUG HAMSAT: Spotlight on the Japanese Amateur Radio Satellites; AO-51 Also Ailing; ARISSat-1 Update
 SEP RADIO ASTRONOMY: Sudden Ionosphere Disturbances: RAS 40 kHz VLF Radio Telescope; An Inexpensive VLF Receiver; Another way to measure a SID?; A Dual Jove Receiver Simple Interferometer; Radar shoots down UFOs during WWII?; Visiting NRAO's EVLA – Part 1; Radio Astronomy in the Movies
 NOV HAMSATS: Spotlight on AMSAT-OSCAR 7; ARISSAT-1 Update
 DEC RADIO ASTRONOMY: Visiting NRAO's EVLA – Part 2; Observing the Sun's Radio Spectrum; SDR-14 in Operation; National Radio Astronomy Observatory; RAS-VLF-1; Radio Astronomy in the Movies

TO THE EDITORS (Rachel Baughn)

JAN A New face for the Ham Bands; Antenna Buyers Guide No Service; Cannabis or Can 'a Worms?
 FEB More Power to You; Digging for Discones; Old Times Radios; Antique Radio Classified
 MAR MT Welcomes New Writers: Stan Nelson, KB5VL and Kent Britain, WA5VJB; Thanks, MT! Shortwave on Facebook? Shortwave on Streaming Audio; Internet Radios
 APR The Lighter Side of Radio; Iceland vs Greenland; Grundig 750 Critique; Three Questions for Mike (Frye)
 MAY Milcom Blog Hits the Bigtime; Help Preserve Ute History; Cook a DUCK; Mast Material; MT at 30 Years
 JUN A Window to the World; Free to Air; Additions and Corrections
 AUG Digital TV Audio?; China and Russia; One More Museum
 SEP Tell US About You; More Museums; Robert Arnold Coburn (SK) plus the MT 2011 Reader Survey (Page 5)
 OCT Pizza Pan Antennas? More on Mobile Shortwave; Farewell to Friends (SK): Nada Byers (Grove Employee) and Dr. Bruce Elving
 NOV Aircraft Receiver Project; Kudos to MT; Even More on Disc Antennas; Soldering to Aluminum?; Digital TV DXing; Apocalypse Now??
 DEC Bell+Howell Loggings; Memories of Radio; Front Row Seat; Pictures from Space; Ham App; Sangean DAR-101 Review; MT Corrections

UTILITY WORLD (Hugh Stegman)

JAN Canadian Navy Closes CFH WEFAX/RTTY; North Atlantic Ice Season Begins.
 FEB What's Up with Solar Cycle 24? WebSDR Update; Thailand Radiofax Lives!
 MAR HF Aero Mobile: A Breathless Introduction – MWARA, RDARA, LDOC and Volmet; We're on Twitter
 APR The World's Most Accurate HF Radiofax List; CanForce Halifax Corrections; FEMA Update
 MAY 2011: Sunspots, Trouble Spots and Radio: Libya, Egypt, CW is Alive #1 and #2
 JUN E10: Israeli "Numbers" Broadcasters Gone!; Chinese Strangeness; Vietnam Back? Libya Update; Chilean Early Warning Center; Japan Update; Russian Military
 JUL Recent Short Wave Military Activity; End of WWV GeoAlert
 AUG More Changes at CFH; Arcane Military Transmissions?; Finding STANAG 4285; Decoding STANAG 4285

SEP In Search of UVB-76; WWV
Geoalert Lives! ONEMI Update;
CFH Update; EN875TOC Update

OCT It's Halloween: October
"Numbers" Survey; Still Stalking
ONEMI; Meet PacTOR IV

NOV WLO Begins Public RTTY
Broadcasting; Vietnam Mystery
Deepens; Hurricane Frequency
List?

DEC Here Comes the Sun: HF is
Back!

WHAT'S NEW (Larry Van Horn)

Books, CDs

JAN The 2011 ARRL Handbook for
Radio Communications; ARRL
Guide to Antenna Tuners

FEB 2011/2012 Guide to Utility Radio
Stations (Bob Grove); Scanner
Digest e-zine

MAR Klingenfuss 2011 Shortwave
Frequency Guide (Gayle Van
Horn); 2011 World Radio TV
Handbook (Gayle Van Horn)

APR WRTH Bargraph CD Now
Available; Hitter's Radio War

MAY New edition of Low-band DXing
(ARRL pub); ARRL License
Manuals Revised; Police Traffic
SPEED RADAR Handbook

JUL ARRL Repeater Directory;
Domestic Broadcasting Survey
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OCT Is My Cell Phone Bugged? 2011
Pirate Radio Annual

NOV New Dictionary for Hams; NRC
AM Radio Log; ARRL's Small
Antennas for Small Spaces;
Tower Site Calendar 2012
Celebrates 90 years of Radio

DEC The Worldwide Listening Guide

Equipment

JAN Microham Digikey II Digital Mode
Interface

AUG Elecraft KX-3; MFJ-9200 six
band QRP transceiver; WinRadio
WR-G33DDC; Hygain SPT-500;
MFJ-2299 20-meter antenna

OCT Bonito IF-Receiver Radiojet
1102S Debuts in Europe

DEC New Comet Antenna Analyzer;
SolderBuddy® Hobbyist HAM™;
West Mountain Radio Rigblaster
Advantage

Internet/SmartPhone Apps

JUN Aircraft and Ship tracking Go
High Tech: Plane Finder/Ship
Finder (Pinkfoot)

Software

APR New JT65A Ham Software

AUG AirNav Live Flight Tracker-8
Released; SSB Electronics
Perseus SDR software engine
V4.0a; New Icom receiver
Software Update Released

SEP HomePatrol-1 The New Extreme
Version

DEC DXtreme Station Log –
Multimedia